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CASE 33315

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7/5/2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

STEMPER

INTERNATIONAL APPLICATION NO: EP/2004/009055

FILED: 12 AUGUST 2004

U.S. APPLICATION NO:

35 USC §371 DATE: 13 FEBRUARY 2006

FOR: PROCESS FOR THE PURIFICATION OF RECOMBINANT
POLYPEPTIDES

MS: Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants believe this paper is being filed before the mailing date of a first Office action on the merits, and so under 37 C.F.R. §1.97(b)(3) no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

These references were cited in search reports in corresponding and related applications (10/568,337, 10/568,332 & 10,568,329). Copies of these references and the search report are enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

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Attorney for Applicants
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Date: 6/30/2006

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 2

ATTY. DOCKET NO.
33314
APPLICATION NO.APPLICANT
WINDISCH ET AL.
FILING DATE
FEBRUARY 13, 2006

Group

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
AA	5,710,027	1/20/98	Hauptmann et, al			
AB	2003/0026805	2/6/03	Athwal et,al.			
AC	5,648,237	7/15/97	Paul J. Carter			
AD	4,680,262	7/14/87	Bochner et, al.			
AE	2004/151695	8/5/04	Kwon et al.			
AF						
AG						
AH						
AI						
AJ						
AK						
AL						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
AM	WO 89/00201	1/12/89	University of Dundee			<input type="checkbox"/>	<input checked="" type="checkbox"/>
AN	WO 03/004599	1/16/03	Insight strategy & Mkt Ltd			<input type="checkbox"/>	<input checked="" type="checkbox"/>
AO	EP 0 974 654	1/26/00	Mitsui Chemicals Inc			<input type="checkbox"/>	<input checked="" type="checkbox"/>
AP	WO 01/57217	8/9/01	Choi Ki Doo et al.			<input type="checkbox"/>	<input checked="" type="checkbox"/>
AQ						<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AR	BOURDINEAUD J P ET AL: "Cytoplasmic and Periplasmic Expression of a Synthetic gene for Ferredoxin in Escherichia-coli", Biochimie (Paris), v1.72, no. 6-7, 1990, pages 407-415, XP002316190
AS	WEICKERT M J ET, AL: "Optimization of Heterologous Protein Production in Escherichia Coli", Current opinion in Biotechnology. London, GB, Vol. 7, no. 5, 1996, pages 494-499, XP000995157
AT	HUMPHREYS D P ET AL:"High- LEVEL Periplasmic Expression in Escherichia coli Using a Eukaryotic Signal Peptide: Importance of Codon usage at the 5' end of the coding sequence" Protein expression and purification academic press, San Diego, CA, US, Vol. 20, no.2, November 2000, pgs

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

(Use several sheets if necessary)

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WINDISCH ET AL.

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EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	DA	MATSUDA A ET AL: "Molecular Cloning and Structure of the Gene for 7-beta-4 Carboxybutanamidocephalosporanic-acid acylase from a pseudomonas strain", Journal of Bacteriology, vol. 163, no. 3, 1985, pages 1222-1228, XP002316191
	DB	FRENCH C ET AL: "Development of a simple method for the recovery of recombinant proteins from the escherichia coli periplasm" Enzyme and Microbial Technology, Stoneham, MA, US, Vol. 19, no. 5, 1996, pages 332-338, XP000886796
	DC	DALMORA S ET AL: "Analysis of recombinant human growth hormone directly in osmotic chick fluids" Journal of Chromatography A, Elsevier Science, NL., Vol.s 782, no. 2, 10 October 1997, pages 199-210, XP004096275
	DD	ANDERSON D C ET AL: "Production technologies for monoclonal antibodies and their fragments", Current opinion in Biotechnology, Vol 15, No. 5. October 2004, Pages 456-462
	DE	DE OLIVEIRA J E ET AL: "High-yield purification of biosynthetic human growth hormone secreted in Escherichia coli periplasmic space" Journal of Chromatogrpahy A, Elsevier Science, NL. Vol. 852, no.2 13, Aug 1999, pgs 441-450
	DF	HANNIG G ET AL: "Strategies for optimizing heterologous protein expression in Escherichia coli", Trends in Biotechnology, Vol. 16, no. 2., February 1998, pages 54-60, XP004107042
	DG	MIDDLEBERG A P J: "Process-scale disruption of microorganisms" Biotechnology Advances, Vol. 13, no.3 1995, pages 491-551, XP004045404
	DH	BANEYX F: Recombinant protein expression in Escherichia coli" current opinion in Biotechnology, vol 10, no. 5, October 1999, pgs 411-421, XP001041299
	DI	HART R A ET AL: "Large scale, in situ isolation of periplasmic IGF-I from E. Coli", Bio Technology, Vol. 12, November 1994, pages 1113-1117, XP001153305
	DJ	
	DK	
	DL	
	DM	
	DN	

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